Substitute for form PTO-1449 Complete if Knov**10** / 575563 Application Number INFORMATION DISCLOSURE Filing Date April 12, 2006 STATEMENT BY APPLICANT First Named Inventor Lester H. Landis, Jr. Art Unit (Use as many sheets as necessary) **Examiner Name** Sheet Attorney Docket Number 2004UR002 **U.S. PATENT DOCUMENTS** Name of Patentee or Applicant Document Number Publication Date Examiner Cite Pages, Columns, Lines, Initials* No. MM-DD-YYYY of Cited Document Where Relevant Passages or Relevant Number-Kind Code² (if Figures Appear known) 5,018,112 05/21/1991 Pinkerton et al. 5,757,663 05/26/1998 Lo et al. Vienot et al. 5,835,882 11/10/1998 5,835,883 11/10/1998 Neff et al. 6,106,561 08/22/2000 Farmer 6,302,221 B1 10/16/2001 Hamman et al. 6,374,201 B1 04/16/2002 Grizon et al. 6,549,854 B1 04/15/2003 Malinverno et al. 6,662,109 B2 12/09/2003 Roggero et al. 6,662,146 B1 12/09/2003 Watts 6,694,264 B2 02/17/2004 Grace 6,754,588 B2 06/22/2004 Cross et al. 6,792,354 B1 O'Meara, Jr. 09/14/2004 6,826,483 B1 11/30/2004 Anderson et al. 03/08/2005 6,865,486 B2 Tobias et al. 6,950,751 B2 09/27/2005 Knobloch 6,980,940 B1 12/27/2005 Gurpinar et al. 2003/0046005 A1 03/06/2003 Haarstad **DOCUMENTS** FOREIGN PATENT Name of Patentee or Examiner Cite Foreign Patent Document Publication Date Pages, Columns, Applicant of Cited Document Initials* No 1 MM-DD-YYYY Lines, Where Relevant Passages Country Code³ -Number ⁴ or Relevant Figures -Kind Code⁵ (if known) Appear WO 00/48022 Schlumberger 08/17/2000 WO 00/79423 A1 12/28/2000 ExxonMobil **Upstream Research** WO 2005/074592 08/18/2005 ExxonMobil Upstream Research **A2** Examiner Signature **Date Considered**

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.usplo.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form PTO-1449			Complete if Knowing 0 /575!								
INF	ORM	ATION DISCLOSURE	Application Number	13 0 7 0 7 0							
STATEMENT BY APPLICANT (Use as many sheets as necessary)			Filing Date	April 12, 2006							
			First Named Inventor	Lester H. Landis, Jr.	\neg						
			Art Unit								
			Examiner Name								
Sheet	2	of 3	Attorney Docket Number	2004UR002							
NON PATENT LITERATURE DOCUMENTS											
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.									
		J. E. AARNES et al., "Toward Reservoir Simulation on Geological Grid									
		Models", European Conference on the Mathematics of Oil Recovery, Cannes,									
<u> </u>		France, 30 August-2 September 2004, pp. 1-8 M ARRASZADEH et al. "Integrated Constatistical Reservoir									
		M. ABBASZADEH et al., "Integrated Geostatistical Reservoir Characterization of Turbidite Sandstone Deposits in Chicontepec Basin, Gulf									
		of Mexico", SPE 84052, 5 October 2003, pp. 1-15, XP002289310									
		J. S. GOMES et al., "Geological Modeling of a Tight Carbonate Reservoir for									
		Improved Reservoir Management of a Miscible WAG Injection Project, Abu									
		Dhabi, U.A.E.", SPE 78529, 13 Oct									
		K. GRUCHALLA, "Immersive Well-Path Editing: Investigating the Added									
		Value of Immersion", Proceedings of the 2004 IEEE Virtual Reality, Chicago, II, March 27-31, 2004, pp. 157-164									
		R. P. KENDALL et al., "The Impact of Vector Processors on Petroleum									
		Reservoir Simulation", Proceedings of the IEEE, Vol. 72 No. 1, January 1984,									
		pp. 85-89									
		J. G. KIM et al., "Toward a Grid-Based Simulation of Multiphase Fluid Flow									
		in Porous Media", Proceedings of the 18 th International Parallel and									
		Distributed Processing Symposium, IEEE, 2004, 4 pages P. MENDOZA et al., "Fault Interpretation Strategy for 3D model									
		Simulation", SPE 78994, 4 November 2003, pp. 1-11, XP02289312									
		V. MOTTL et al., "Pattern Recognition in Spatial Data: A New Method of									
!		Seismic Explorations for Oil and Gas in Crystalline Basement Rocks", IEEE,									
	2000, pp. 315-318										
	·	S. NARAYANAN et al., "Applying									
	Driven Science in Distributed Environments", Proceedings of the Fourth										
		International Workshop on Grid Computing, IEEE, November 2003, pp. 141-148, 8 pages									
		M. L. SWEET et al., "Modeling Heterogeneity in a Low-Permeability Gas Reservoir Using Geostatistical Techniques, Hyde Field, Southern North Sea",									
		AAPG Bulletin, V. 80 No. 11, November 1996, pp. 1719-1735									
	G. J. J. WILLIAMS et al., "Top-Down Reservoir Modeling", SPE 89974, SPE										
Annual Technical Conference, Houston, Texas, 26-29 September 2004, pp. 1-8											
Examiner Signature			Date Considere								

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form PTO-1449					Complete if Known 1/5755								
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Application Number								
					ite	April 12, 2006							
					ned Inventor	Lester H. Landis, Jr.							
(Use as many sheets as necessary)				Art Unit									
					r Name								
Sheet	3	of	3	Attorney	Docket Number	2004UR002							
NON PATENT LITERATURE DOCUMENTS													
		T. YU, "Evolving Cellular Automata to Model Fluid Flow in Porous Media", 2002 NASA/DOD Conference on Evolvable Hardware, IEEE, July 2002, 8 pages											
		European Search Report No. 111081, dated 7-30-2004 for Provisional Application No. 60/540,770 (2004UR002), 3 pages											
		International Search Report and Written Opinion, mailed 6/7/2005 for PCT/US05/01932 (2004UR002), 8 pages											
		International Preliminary Search Report for PCT/US05/01932 (2004UR002), 6 pages											
		<u> </u>											
				-									
	·												
•													
Examiner Signature	L				Date Considered								

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.